

STIC-ILL

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NO 9/2

From: Gambel, Phillip
Sent: Monday, September 01, 2003 2:51 PM
To: STIC-ILL
Subject: co amd masking anti-b7

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7/7/7 (Item 2 from file: 73)
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05739642 EMBASE No: 1994140681

Pretreatment of renal transplants with anti-CD45

antibodies: Optimization of perfusion technique

Goldberg L.C.; Cook T.; Taube D.

Transplant Unit, St. Mary's Hospital, Praed Street, London W2 1NY United Kingdom

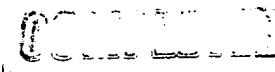
Transplant Immunology (TRANSPLANT IMMUNOL.) (United Kingdom) 1994, 2/1 (27-34)

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Pig kidneys were perfused ex vivo with a monoclonal anti-pig CD45 antibody to determine optimum conditions for human kidney anti-CD45 perfusion, as such pretreatment may prolong renal allograft survival. Efficacy of perfused antibody uptake was assessed by immunohistochemical double-labelling of multiple renal biopsies. Antibody uptake by CD45+ cells was rapid, and maximal within one hour of perfusion. An antibody concentration of 40 mug/ml more effectively saturated available CD45 binding sites than lower concentrations. Whilst cortical perfusion was homogeneous (median uptake >99%, minimum 90.0%) after 25, 50 or 100 ml perfusion with 40 mug/ml monoclonal antibody (mAb), the medulla was less evenly perfused with 25 ml (median uptake 82.6%) than with 50 or 100 ml (median uptake 98.5% and 98.7%, respectively). Prolongation of renal cold ischaemia of up to 46 hours prior to mAb perfusion did not adversely affect antibody binding. Clamping of the renal vein during and after mAb perfusion was associated with better cortical and medullary mAb uptake than if the vein was left unclamped. These data show that the vast majority of the kidney's CD45+ antigen-presenting cells can be bound by anti-CD45 mAb perfused ex vivo, if an adequate volume and concentration of mAb perfusate is employed and the renal vein is clamped during and after the process.

Set Name Query

side by side

Hit Count Set Name

result set

*DB=USPT; PLUR=YES; OP=ADJ*L5 L1 and (hour\$)54 L5*DB=PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=ADJ*L4 L1 and (hour\$)0 L4L3 (pretreat or 'ex vivo' or mask\$) same (donor) same (antibod\$)
same(hours or hour or minute\$) and (transplant\$ or graft\$)8 L3*DB=USPT; PLUR=YES; OP=ADJ*L2 (pretreat or 'ex vivo' or mask\$) same (donor) same (antibod\$)
same(hours or hour or minute\$) and (transplant\$ or graft\$)2 L2L1 (pretreat or 'ex vivo' or mask\$) same (donor) same (antibod\$) and
(transplant\$ or graft\$)57 L1

END OF SEARCH HISTORY

Set	Items	Description
S1	13	(MASK? OR PRETREAT?) (5N) (TRANSPLANT? OR GRAFT?) (10N) (ANTIBOD?) (20N) (HOUR?)
S2	7	RD S1 (unique items)
S3	17	(MASK? OR PRETREAT?) (20N) (TRANSPLANT? OR GRAFT?) (10N) (ANTIBOD?) (20N) (HOUR?)
S4	25	(MASK? OR PRETREAT?) (20N) (DONOR? OR TRANSPLANT? OR GRAFT?) - (10N) (ANTIBOD?) (20N) (HOUR?)
S5	15	RD S4 (unique items)
S6	21	(MASK? OR PRETREAT?) (20N) (DONOR? OR TRANSPLANT? OR GRAFT?) - (10N) (ANTIBOD?) AND (HOUR?)
S7	11	RD S6 (unique items)
?		

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
side by side			result set
	<i>DB=PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=ADJ</i>		
<u>L3</u>	(pretreat or 'ex vivo' or mask\$) same (donor) same (antibod\$) same(hours or hour or minute\$) and (transplant\$ or graft\$)	8	<u>L3</u>
	<i>DB=USPT; PLUR=YES; OP=ADJ</i>		
<u>L2</u>	(pretreat or 'ex vivo' or mask\$) same (donor) same (antibod\$) same(hours or hour or minute\$) and (transplant\$ or graft\$)	2	<u>L2</u>
<u>L1</u>	(pretreat or 'ex vivo' or mask\$) same (donor) same (antibod\$) and (transplant\$ or graft\$)	57	<u>L1</u>

END OF SEARCH HISTORY

Set Name Query

side by side

Hit Count Set Name

result set

DB=USPT; PLUR=YES; OP=ADJ

<u>L13</u>	(mask\$) same (antibod\$) same(transplant\$ or graft\$)	28	<u>L13</u>
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<u>L12</u>	(mask\$) same (antibod\$) same (hour or hours) same(transplant\$ or graft\$)	3	<u>L12</u>
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<u>L11</u>	(pretreat\$ or 'ex-vivo' or mask\$) same (antibod\$) same (hour or hours) and(transplant\$ or graft\$)same (antibod\$)	111	<u>L11</u>
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DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=ADJ

<u>L10</u>	(pretreat\$ or 'ex-vivo' or mask\$) same (antibod\$) same (hour or hours) and(transplant\$ or graft\$)same (antibod\$)	151	<u>L10</u>
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<u>L9</u>	(pretreat\$ or 'ex-vivo' or mask\$) same (antibod\$) same (hour or hours) and(transplant\$ or graft\$)	344	<u>L9</u>
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DB=JPAB,EPAB,DWPI; PLUR=YES; OP=ADJ

<u>L8</u>	(pretreat\$ or 'ex-vivo' or mask\$) same (antibod\$) same (transplant\$ or graft\$) same (hour or hours)	1	<u>L8</u>
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DB=PGPB; PLUR=YES; OP=ADJ

<u>L7</u>	(pretreat\$ or 'ex-vivo' or mask\$) same (antibod\$) same (transplant\$ or graft\$) same (hour or hours)	12	<u>L7</u>
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DB=USPT; PLUR=YES; OP=ADJ

<u>L6</u>	(pretreat\$ or 'ex-vivo' or mask\$) same (antibod\$) same (transplant\$ or graft\$) same (hour or hours)	13	<u>L6</u>
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<u>L5</u>	(pretreat\$ or incubat\$ or mask\$) same (antibod\$) same (transplant\$ or graft\$) and (antibod\$) same (b7\$ or cd80 or cd86 or costimulat\$)	45	<u>L5</u>
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DB=USPT,PGPB; PLUR=YES; OP=ADJ

<u>L4</u>	(pretreat\$ or incubat\$ or mask\$) same (antibod\$) same (transplant\$ or graft\$) and (antibod\$) same (b7\$ or cd80 or cd86 or costimulat\$)	96	<u>L4</u>
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<u>L3</u>	(pretreat\$ or incubat\$ or mask\$) same (antibod\$) and (transplant\$ or graft\$) same (antibod\$) and (antibod\$) same (b7\$ or cd80 or cd86 or costimulat\$)	639	<u>L3</u>
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<u>L2</u>	vasquez-max\$	10	<u>L2</u>
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<u>L1</u>	co-man \$	0	<u>L1</u>
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END OF SEARCH HISTORY

Set Name Query

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result set

*DB=DWPI; PLUR=YES; OP=ADJ*L7 (marrow) same (hour\$) same (antibod\$) and (graft\$ or transplant\$)2 L7*DB=USPT; PLUR=YES; OP=ADJ*L6 (marrow) same (hour\$) same (antibod\$) and (graft\$ or transplant\$)168 L6*DB=USPT,PGPB; PLUR=YES; OP=ADJ*L5 (marrow) same (hour\$) same (antibod\$) and (graft\$ or transplant\$)239 L5*DB=EPAB,DWPI; PLUR=YES; OP=ADJ*L4 (marrow) same (hour\$) same (antibod\$) and (graft\$ or transplant\$)2 L4L3 (marrow) same (hour\$)same (donor) same (antibod\$) and (graft\$ or transplant\$)1 L3*DB=USPT; PLUR=YES; OP=ADJ*L2 (marrow) same (hour\$)same (donor) same (antibod\$) and (graft\$ or transplant\$)22 L2L1 (marrow) same (hour\$)same (donor) same (antibod\$)same (graft\$ or transplant\$)10 L1

END OF SEARCH HISTORY